

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P696022

Luminaire Tested: **LXF.LXT-PA16-827-U-5WQ-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P696022  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-827-U-5WQ-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5980.9 lumens  
Efficiency: N/A  
Efficacy: 83.1 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type V - Short  
BUG Rating: B3 - U3 - G2

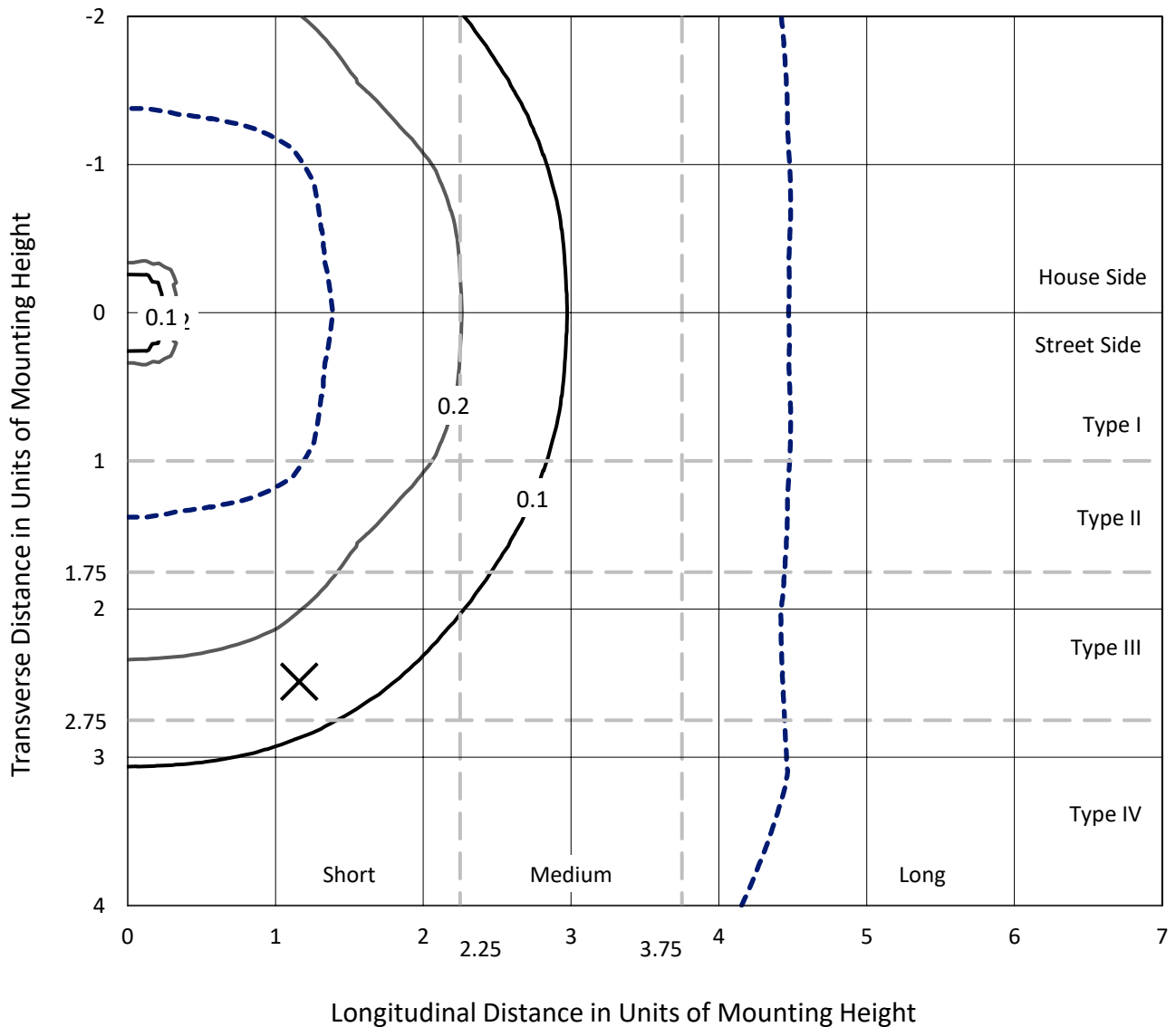
Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

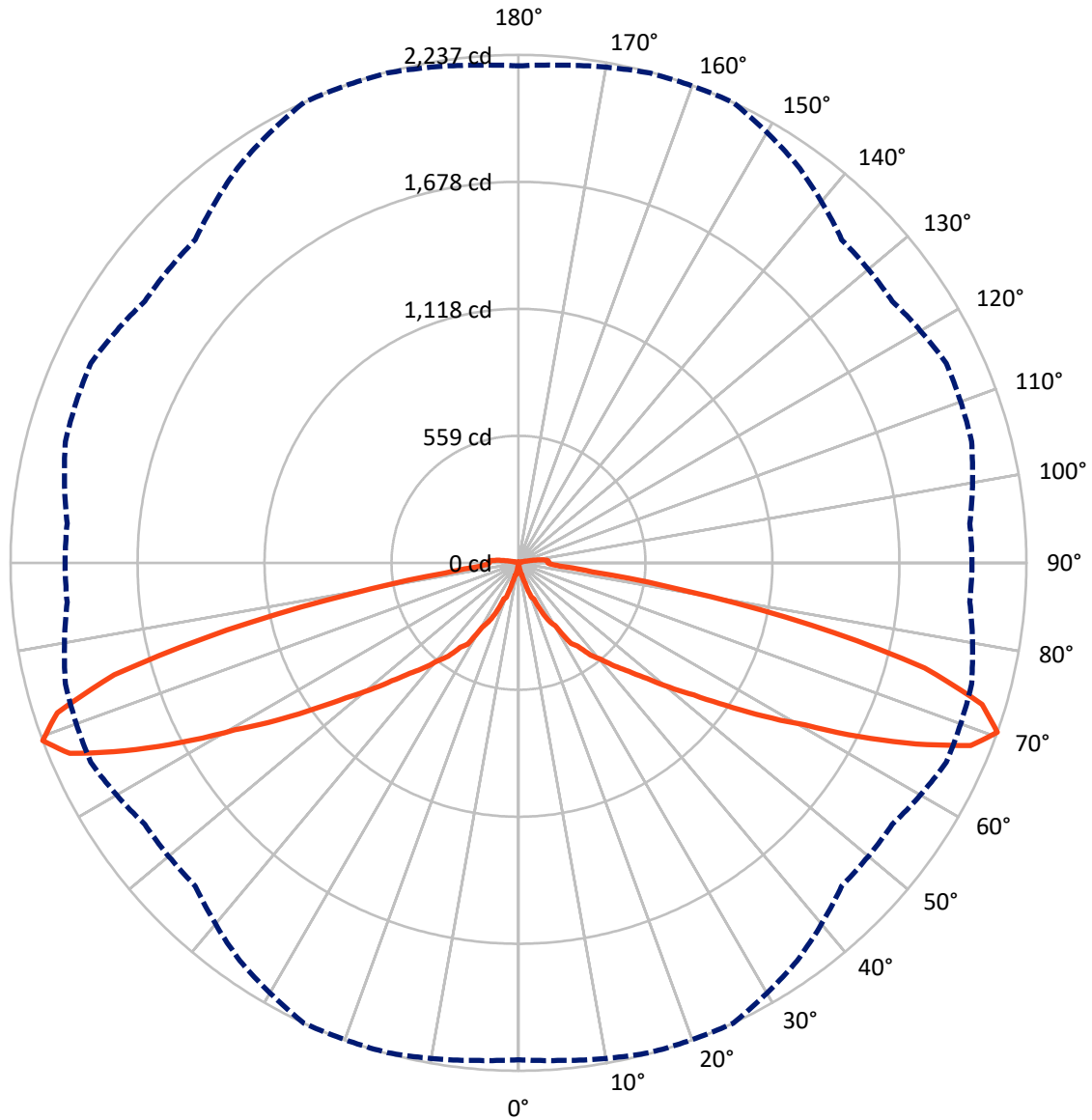
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 25-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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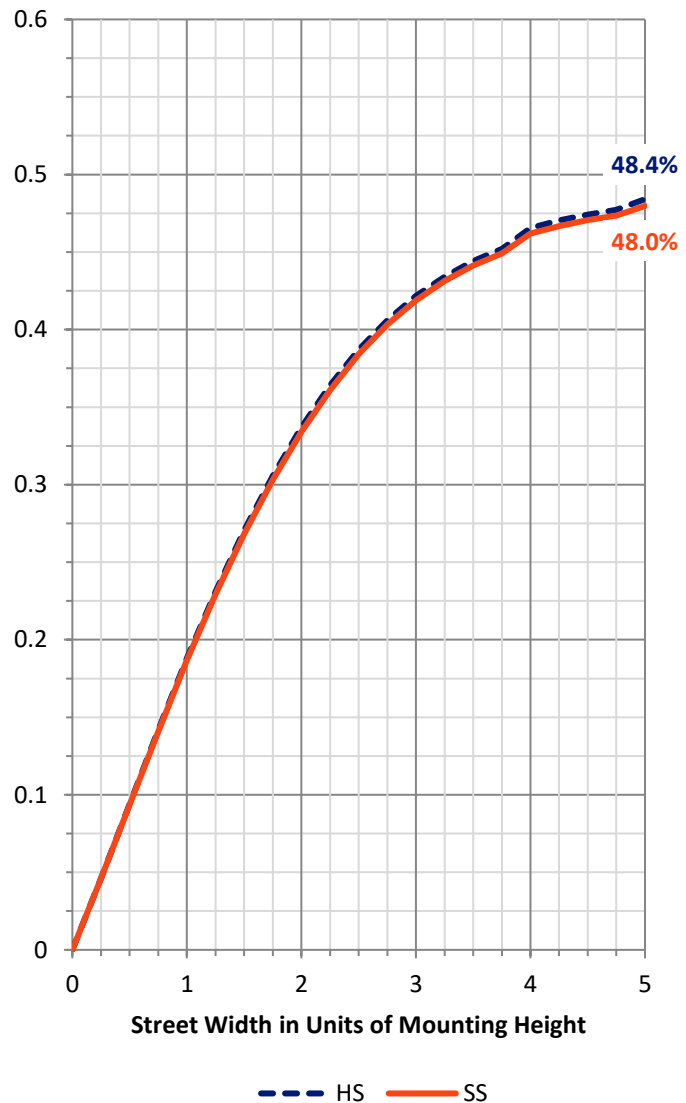
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2915.8	74.7	2990.4
	% Fixture	48.8	1.2	50.0
<b>Street Side</b>	Lumens	2915.8	74.7	2990.4
	% Fixture	48.8	1.2	50.0
<b>Total</b>	Lumens	5831.5	149.4	5980.9
	% Fixture	97.5	2.5	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.4	0.0
10°-20°	22.7	0.4
20°-30°	119.6	2.0
30°-40°	300.7	5.0
40°-50°	547.8	9.2
50°-60°	998.9	16.7
60°-70°	1807.0	30.2
70°-80°	1720.9	28.8
80°-90°	313.5	5.2
90°-100°	121.3	2.0
100°-110°	17.6	0.3
110°-120°	4.6	0.1
120°-130°	2.8	0.0
130°-140°	1.7	0.0
140°-150°	1.2	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5831.5	97.5
0°-180°	5980.9	100.0

**Coefficient of Utilization**



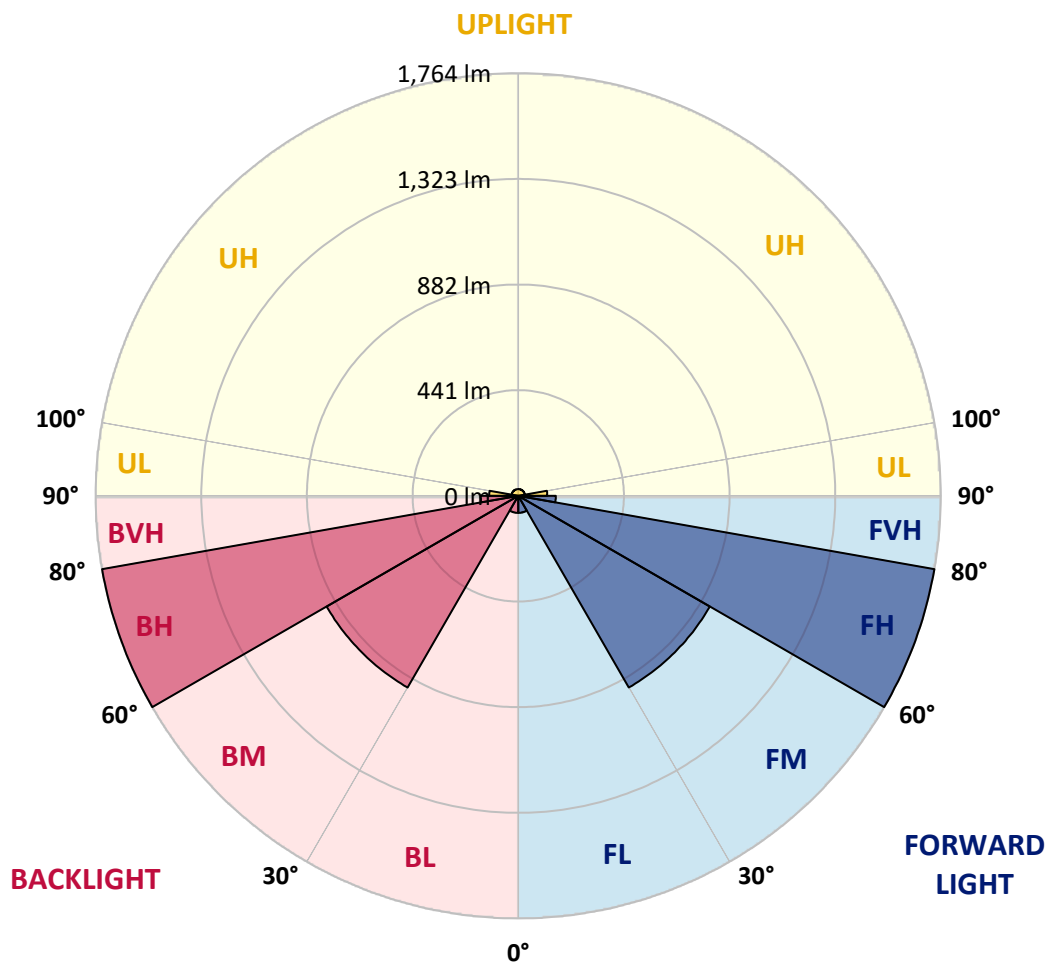
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	71.4	1.2			
FM (30°-60°)	923.7	15.4			
FH (60°-80°)	1763.9	29.5			G1/1800
FVH (80°-90°)	156.7	2.6			G2/225
BL (0°-30°)	71.4	1.2	B0/110		
BM (30°-60°)	923.7	15.4	B1/1000		
BH (60°-80°)	1763.9	29.5	B3/2500		G1/1800
BVH (80°-90°)	156.7	2.6			G2/225
UL (90°-100°)	121.3	2.0		U3/500	
UH (100°-180°)	28.1	0.5		U2/50	

**BUG Rating: B3-U3-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
7.5°	3.9	3.9	3.9	1.9	3.9	1.9	3.9	1.9	1.9	3.9	3.9
10°	40.9	35.1	17.5	11.7	5.8	3.9	3.9	3.9	3.9	3.9	3.9
12.5°	54.6	54.6	52.6	50.7	42.9	11.7	5.8	11.7	19.5	40.9	44.8
15°	66.2	66.2	60.4	56.5	52.6	44.8	42.9	79.9	95.5	101.3	105.2
17.5°	161.7	161.7	148.1	93.5	60.4	83.8	115.0	105.2	111.1	113.0	115.0
20°	175.4	173.4	167.6	161.7	132.5	122.8	132.5	124.7	163.7	177.3	194.8
22.5°	229.9	216.3	191.0	171.5	185.1	165.6	153.9	212.4	226.0	235.8	237.7
25°	302.0	300.1	292.3	243.6	212.4	206.5	218.2	247.5	253.3	268.9	272.8
27.5°	321.5	323.4	307.9	292.3	282.5	257.2	270.8	302.0	350.7	370.2	372.2
30°	450.1	446.2	428.7	325.4	315.7	304.0	321.5	356.6	374.1	395.5	399.4
32.5°	471.5	465.7	459.8	422.8	352.7	346.8	368.3	385.8	471.5	530.0	531.9
35°	555.3	555.3	533.9	452.0	434.5	389.7	405.3	475.4	535.8	561.2	561.2
37.5°	600.1	596.2	578.7	514.4	454.0	434.5	459.8	508.6	569.0	600.1	600.1
40°	650.8	646.9	627.4	559.2	516.3	475.4	510.5	559.2	627.4	654.7	654.7
42.5°	711.2	707.3	685.9	621.6	563.1	526.1	555.3	625.5	685.9	703.4	711.2
45°	783.3	777.4	758.0	682.0	619.6	572.9	600.1	689.8	752.1	785.2	781.3
47.5°	867.1	859.3	837.8	761.9	693.7	633.3	666.4	773.5	845.6	867.1	872.9
50°	952.8	948.9	939.2	861.2	773.5	715.1	758.0	871.0	941.1	952.8	956.7
52.5°	1048.3	1038.5	1040.5	966.4	882.7	820.3	871.0	956.7	1048.3	1046.3	1044.4
55°	1159.3	1157.4	1163.2	1108.7	1013.2	945.0	1001.5	1108.7	1167.1	1161.3	1149.6
57.5°	1289.9	1289.9	1305.5	1274.3	1182.7	1112.6	1149.6	1264.6	1297.7	1276.3	1270.4
60°	1461.4	1451.6	1478.9	1449.7	1387.3	1293.8	1340.6	1439.9	1453.6	1426.3	1432.1
62.5°	1675.7	1671.8	1687.4	1685.4	1611.4	1502.3	1551.0	1640.6	1656.2	1632.8	1642.6
65°	1913.4	1909.5	1929.0	1923.1	1839.4	1722.5	1765.3	1864.7	1864.7	1819.9	1823.8
67.5°	2108.3	2108.3	2137.5	2147.2	2032.3	1884.2	1913.4	2028.4	2020.6	1964.1	1966.0
70°	2188.1	2199.8	2233.0	2236.9	2139.4	2012.8	2008.9	2079.0	2065.4	1995.2	1997.2
72.5°	2051.7	2057.6	2116.0	2135.5	2114.1	2057.6	1997.2	1952.4	1919.3	1870.5	1870.5
75°	1662.1	1658.2	1734.1	1847.2	1911.5	1968.0	1825.7	1697.1	1648.4	1605.5	1621.1
77.5°	1056.1	1038.5	1124.3	1317.2	1492.5	1658.2	1502.3	1313.3	1186.6	1106.7	1095.0
80°	465.7	475.4	545.6	744.3	980.1	1161.3	1046.3	769.6	596.2	485.2	452.0
82.5°	206.5	210.4	239.7	327.3	545.6	682.0	578.7	352.7	243.6	216.3	214.3
85°	142.2	150.0	146.1	179.3	253.3	305.9	266.9	177.3	148.1	140.3	134.4
87.5°	130.5	132.5	124.7	136.4	167.6	155.9	155.9	126.7	107.2	116.9	115.0
90°	136.4	138.3	124.7	128.6	153.9	138.3	144.2	118.9	111.1	124.7	122.8
92.5°	138.3	148.1	136.4	132.5	153.9	152.0	144.2	122.8	120.8	134.4	132.5
95°	122.8	136.4	122.8	124.7	142.2	144.2	136.4	120.8	124.7	134.4	138.3
97.5°	74.0	79.9	79.9	91.6	99.4	105.2	101.3	87.7	74.0	70.1	66.2
100°	27.3	27.3	39.0	58.5	54.6	44.8	56.5	56.5	33.1	17.5	11.7
102.5°	11.7	11.7	23.4	33.1	23.4	15.6	25.3	35.1	21.4	11.7	9.7
105°	11.7	11.7	13.6	17.5	9.7	7.8	9.7	17.5	9.7	9.7	9.7
107.5°	9.7	9.7	7.8	7.8	5.8	5.8	5.8	5.8	7.8	9.7	11.7
110°	9.7	7.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	9.7	9.7

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	7.8	5.8	3.9	3.9	3.9	5.8	3.9	3.9	3.9	5.8	5.8
115°	5.8	5.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.8	5.8
117.5°	5.8	5.8	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.8	5.8
120°	5.8	5.8	3.9	1.9	1.9	1.9	3.9	3.9	3.9	5.8	5.8
122.5°	5.8	5.8	3.9	1.9	1.9	1.9	1.9	1.9	3.9	5.8	5.8
125°	5.8	5.8	3.9	1.9	1.9	1.9	1.9	1.9	3.9	5.8	5.8
127.5°	5.8	3.9	3.9	1.9	1.9	1.9	1.9	1.9	3.9	5.8	5.8
130°	3.9	3.9	1.9	1.9	1.9	1.9	1.9	1.9	3.9	3.9	3.9
132.5°	3.9	3.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.9	3.9
135°	3.9	3.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.9	3.9
137.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
140°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
142.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
145°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
147.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
150°	3.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.9	3.9
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)